INTERNATIONAL INSTITUTE OF AGRICULTURE

INTERNATIONAL BULLETIN OF PLANT PROTECTION

PUBLISHED MONTHLY

REPRINT FROM THE 'INTERNATIONAL REVIEW OF AGRICULTURE'

YEAR XVIII – 1944

ROME
VILLA UMBERTO I
1944

PLANT PROTECTION SECTION

Chief of Section: Professor Dr GIULIO TRINCHIERI
Councillor: Dr NORBERT VON GESCHER

Page numbers of the different issues.

January & February:
(Nos. 1 & 2) pages 1 M to 16 M

March & April:
(Nos. 3 & 4) pages 17 M to 32 M

May & June:
(Nos. 5 & 6) pages 33 M to 48 M

July & August:
(Nos. 7 & 8) pages 49 M to 64 M

September & October:
(Nos. 9 & 10) pages 65 M to 80 M

November & December:
(Nos. 11 & 12) pages 81 M to 100 M

INDEX TO 'THE INTERNATIONAL BULLETIN OF PLANT PROTECTION' FOR THE YEAR 1944

I. — Index of Authors.

BALDACCI, Elio, see CIFERRI, Raffaele, and BALDACCI, Elio.

BIRAGHI, Antonio. Damage apparently caused by *Sclerotinia* observed on salad crops in Italy, 49 M.

CIFERRI, Raffaele. General remarks on the technique of testing fungicides 'in vitro', 33 M.

CIFERRI, Raffaele, e BALDACCI, Elio. Causes of error in the 'in vitro' control method of fungicides and description of the Palagi-Terzano 'nebulization-bench', 65 M.

— The fungicidal power of lime and invert powders, 81 M.

KNECHTEL, Wilhelm. Crop pests observed in Rumania, 37 M.

RIVERA, V., SEMPIO, C., and SHKJEZI, A. The fungicidal efficacy of urine and the doses to be employed in treatments, 1 M.

ROMMEL, Curt. Critical remarks on the use of gun-fire against hail, 17 M.

SEMPIO, C., see RIVERA, V., SEMPIO, C., and SHKJEZI, A.

SHKJEZI, A., see RIVERA, V., SEMPIO, C., and SHKJEZI, A.

FEDERAL EXPERIMENT AND SEED TESTING STATION, LAUSANNE, MONT CALME. Switzerland: The Colorado beetle (*Leptinotarsa decemlineata*) in French Switzerland. Situation on September 1, 1943, 8 M.

TRINCHIERI, Giulio. Apropos of host-plants of the lima bean pod borer, *Etiella zinckenella*, 27 M.

— Third contribution to the locust bibliography, 28 M, 39 M, 54 M, 72 M.

II. — Subject Index.

Acyrthosiphon onobrychis: Rumania, 37 M.

— *pisi*: Rumania, 37 M.

Aonidiella perniciosa: Rumania, 39 M.

Appelia schwartzi: Rumania, 38 M.

Apple canker, see *Nectria ditissima*.

Apple tree: France, 13 M.

Apricot: Rumania, 39 M.

Araecerus fasciculatus, 27 M.

Areca palm, 27 M.

Arsenical preparations: Rumania, 14 M.

Bean-fields, 27 M.

— pod borer, see *Etiella zinckenella*.

— rust, see *Uromyces appendiculatus*.

Botrytis vulgaris: Italy, 50 M.

Bremia lactucae (downy mildew of lettuce): Italy, 5 M.

Cacao, 27 M.

Carnation crops: Rumania, 38 M.

Cassia, 27 M.

Cineraria: Rumania, 38 M.

Coffee, 27 M.

Colorado beetle, see *Leptinotarsa decemlineata*.

Crop pests : Rumania, 37 M.

Crotalaria, 27 M.

Denmark : Inspection of fields, 9 M.

— Exportation of living plants and parts of plants, 10 M.

— Importation of potatoes, 10 M.

— Legislative and administrative measures, 10 M (exportation of living plants and parts of plants).

—; 19 M (importation of potatoes).

—; 9 M (regulation of the sanitary control of potato exports).

—; 9 M (sanitary control of the exportation of edible potatoes).

— Potatoes, control of, 9 M.

Downy mildew of lettuce, see *Bremia lactucae*.

Erysiphe graminis (mildew of cereals and grasses) : Italy, 2 M.

Etiella zinckenella, 27 M.

European corn borer, see *Pyrausta nubilalis*, 37 M.

Fields, inspection of, : Denmark, 9 M.

Flax : Rumania, 38 M.

— fly, see *Thrips lini*.

France : Apple trees, 13 M.

— Forest and ornamental trees, 13 M.

— Fruits, 13 M.

— Fruiting vines, 14 M.

— Legislative and administrative measures, 13 M (the apple canker (*Nectria ditissima*) is inscribed in the list of plant parasites recognized as dangerous for French crops).

—; 13 M (the sale of vines, fruits, forest and ornamental trees and shrubs is prohibited, from September 1, 1943).

—; 10 M (utilization of nicotine and its salts for treating plants).

— *Nectria ditissima* (apple canker), 13 M.

— Scions, 14 M.

— Utilization of nicotine and its salts for treating plants, 10 M.

France : Vine, 13 M.

Fruits : France, 13 M.

Fruiting vines : France, 14 M.

Fungicides, 33 M, 81 M.

— : Italy, 65 M.

Ginger, 27 M.

Gun-fire against hail, 17 M

Hail, 17 M.

Heliothrips femoralis : Rumania, 38 M.

— *haemorrhoidalis* : Rumania, 38 M.

Hemp : Rumania, 37 M.

Hylemyia antiqua (onion fly) : Rumania, 38 M.

Italy : *Botrytis vulgaris*, 50 M.

— *Bremia lactucae* (downy mildew of lettuce), 5 M.

— Control method of fungicides, 65 M.

— *Erysiphe graminis* (mildew of cereals and grasses), 2 M.

— Fungicides, 65 M.

— The fungicidal efficacy of urine and the doses to be employed in treatments, 1 M.

— Lime, 6 M.

— 'Nebulization bench' Palagi-Terzano, 65 M.

— Salad crops, 49 M, 51 M.

— *Sclerotinia*, 49 M.

— — *minor*, 50 M.

— — *sclerotiorum*, 50 M.

— *Uromyces appendiculatus* (bean rust) 3 M.

— Vine, 5 M, 6 M.

Lecanium corni : Rumania, 39 M.

Legislative and Administrative measures in the following countries : —

Denmark, 9 M.

France, 10 M, 13 M, 14 M.

Norway, 14 M.

Rumania, 14 M.

Leguminous plants : Rumania, 37 M.

Leptinotarsa decemlineata : Switzerland, 8 M.

Leucaena, 27 M.

Lime : Italy, 6 M.

Limes, fungicidal power of, 81 M.

Locusts, 28 M, 39 M, 54 M, 72 M, 92 M.
Locust bibliography, 28 M, 39 M, 54 M, 72 M, 92 M.
Macrosiphon koehleri : Rumania, 38 M.
Maize, 27 M.
— Rumania, 37 M.
Mildew of cereals and grasses, see *Erysiphe graminis*.
— of vine, see *Uncinula necator*.
Myzodes persicae : Rumania, 38 M.
Myzus ornatus : Rumania, 38 M.
'Nebulization bench' Palagi-Terzano : Italy, 65 M.
Nectria ditissima (apple canker) : France, 13 M.
Neomyzus circumflexus : Rumania, 38 M.
Nicotine : France, 10 M.
Norway : Legislative and administrative measures: 14 M (control of wart disease of the potato (*Synchytrium endobioticum*).
— ; 14 M (Manufacture and trade in preparations for the control of plant diseases and pests).
— Plant diseases and pests, 14 M.
— Wart disease (*Synchytrium endobioticum*) control of, 14 M.
Nutmeg, 27 M.
Onion : Rumania, 38 M.
— fly, see *Hylemyia antiqua*.
Pea crops : Rumania, 37 M.
Peach-trees : Rumania, 38 M.
Plant diseases and pests : Norway, 14 M.
— host of *Etiella zinckenella*, 27 M.
— exportation of, : Denmark, 10 M.
— greenhouse and house : Rumania, 38 M.
Potatoes : Denmark, 9 M, 10 M.
— Switzerland, 8 M.
Powders, fungicidal power of lime and inert —, 81 M.
Pteronus ribesii : Rumania, 38 M.
Pyrausta nubilalis : Rumania, 37 M.
Red currant crops : Rumania, 38 M.
Rumania : *Acyrthosiphon onobrychis*, 37 M.
— *Acyrthosiphon pisi*, 37 M.
— *Aonidiella perniciosa*, 39 M.
— *Appelia schwartzi*, 38 M.
— Apricot, 39 M.
— Arsenical preparations, 14 M.
— Carnation crops, 38 M.
— *Cineraria*, 38 M.
— Crop pests, 37 M.
— Flax, 37 M.
— Flax fly, 38 M.
— Greenhouse and house plants, 38 M.
— *Heliothrips femoralis*, 38 M.
— — *haemorrhoidalis*, 38 M.
— Hemp, 37 M.
— *Hylemyia antiqua* (onion fly) 38 M.
— *Lecanium corni*, 39 M.
— Legislative and administrative measures, 14 M (arsenical preparations).
— Leguminous plants, 37 M.
— *Macrosiphon koehleri*, 38 M.
— Maize, 37 M.
— *Myzodes persicae*, 38 M.
— *Myzus ornatus*, 38 M.
— *Neomyzus circumflexus*, 38 M.
— Onion, 38 M.
— Pea crops, 37 M.
— Peach-trees, 38 M.
— *Pteronus ribesii*, 38 M.
— *Pyrausta nubilalis*, 37 M.
— Red currant crops, 38 M.
— *Taeniothrips dianthi*, 38 M.
— *Tetranychus althaeae*, 39 M.
— *Thrips linarius*, 38 M.
— — *lini*, 38 M.
— — *tabaci*, 38 M.
— *Tylenchus dipsaci*, 38 M.
— *Uncinula necator*, 39 M.
— Vetch crops, 37 M.
Salad crops : Italy, 49 M, 51 M.

San José scale, see *Aonidiella perniciosa*.
Scions : France, 14 N.
Sclerotinia : Italy, 49 M.
— *minor* : Italy, 50 M.
— *sclerotiorum* : Italy, 50 M.
Soy-bean, 27 M.
Synchytrium endobioticum (wart disease) control of, : Norway, 14 M.
Sweet potato, 27 M.
Switzerland : *Leptinotarsa decemlineata*, 8 M.
— Potatoes, 8 M.
Taeniothrips dianthi : Rumania, 38 M.
Tephrosia candida, 27 M.
Tetranychus althaeae : Rumania, 39 M.
Trees, forest and ornamental, : France, 13 M.
Thrips lini : Rumania, 38 M.
— *linarius* : Rumania, 38 M.
— *tabaci* : Rumania, 38 M.
Tylenchus dipsaci : Rumania, 38 M.
Uncinula necator : Rumania, 39 M.
Uromyces appendiculatus (bean rust) : Italy, 3 M.
Vine : Italy, 5 M, 6 M.
— France, 13 M.
Vetch crops : Rumania, 37 M.
Wart disease, see *Synchytrium endobioticum*.

Prof. UGO PAPI, *General Secretary of the International Institute of Agriculture*

Printed by F. FAILLI, Printing Office of the International Institute of Agriculture
Roma, Villa Umberto I, December 31, 1944